

JUL 15 2005

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1 FW 2123



## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	10/003,184
		Filing Date	October 30, 2001
		First Named Inventor	Frederic Reblewski
		Art Unit	2123
		Examiner Name	Kandasamy Thangavelu
Total Number of Pages in This Submission	690	Attorney Docket Number	003921.00070

**ENCLOSURES (check all that apply)**

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	- Forms - PTO/SB/08a & 08b
<input checked="" type="checkbox"/> Supplemental Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	- 9 References
<input type="checkbox"/> Certified Copy of Priority Document(s)	<b>Remarks</b>	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	- 2 Office Actions	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	- 2 Responsive Amendments	

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Christopher L. McKee, Reg. No. 32,384
Signature	
Date	

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	
Signature	
Date	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
Frederic REBLEWSKI ) Group Art Unit: 2123  
Serial No.: 10/003,184 ) Examiner: Kandasamy Thangavelu  
Filed: October 30, 2001 ) Attorney Docket No.: 003921.00070  
For: EMULATION COMPONENTS AND SYSTEM )  
INCLUDING DISTRIBUTED DISTRIBUTED )  
EVENT MONITORING, AND TESTING OF AN )  
IC DESIGN UNDER EMULATION )

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

The Honorable Commissioner for Patents  
Customer Service Window  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314

Sir:

Pursuant to 37 C.F.R. §1.56, the attention of the U.S. Patent and Trademark Office is hereby directed to the references listed in the attached Form PTO/SB/08A. Pursuant to the Office's October 12, 2004 OG Notice, it is understood that 37 C.F.R. §1.98 no longer requires submission of a copy of each cited U.S. patent and published patent application, unless such copies are specifically required by the Office. Accordingly, copies of these are omitted. A copy of the other listed references is enclosed.

The attention of the U.S. Patent and Trademark Office is further directed to the fact that two related applications filed on the same day are concurrently undergoing examination.

07/16/2005 JADDO1 00000103 190733 10003184

01 FC:1806 180.00 DA

Pursuant to 37 C.F.R. §1.56, applicant provides the following identifications of the related applications, and attaches hereto a copy of the indicated papers from the related examinations:

Serial No. 10/003,951 (PGP No. US-2004-0078187-A1)  
(Attorney Docket No. 003921.00069)

Entitled: Emulation Components and System Including Distributed Routing and Configuration of Emulation Resources

Filed October 30, 2001

Examiner: Albert William Paladini

**Papers Attached:**

Office Action mailed February 7, 2005

Responsive Amendment filed June 7, 2005

Serial No. 10/001,070 (not yet published)

(Attorney Docket No. 003921.00071)

Entitled: Emulation Components and System Including Distributed Trace Data Collection and Pre-Processing

Filed October 30, 2001

Examiner: Russell L. Guill

**Papers Attached:**

Specification, including original claims, and drawings

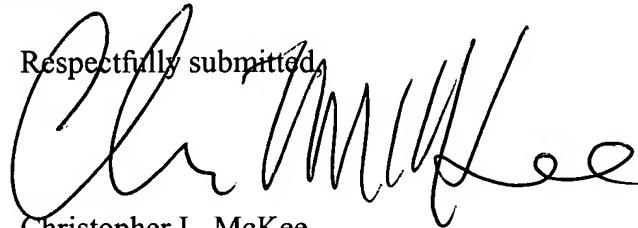
Office Action mailed March 18, 2005

Responsive Amendment filed June 16, 2005

Applicant submits this information so that the Patent and Trademark Office may, in the first instance, determine any materiality thereof to the claimed invention. It is respectfully requested that the information be formally considered during the prosecution of this application, and that the listed references appear among the "References Cited" on any patent to issue herefrom.

The present Supplemental Information Disclosure Statement is being filed after the mailing date of the first Office Action on the merits, but before a Final Office Action or Notice

of Allowance. Pursuant to 37 CFR §1.97(c)(2), this Statement is accompanied by the \$180.00 fee specified in 37 C.F.R. §1.17(p). If there is any discrepancy in the fee, the Commissioner is authorized to charge our Deposit Account No. 19-0733.

Respectfully submitted,  
  
Christopher L. McKee  
Registration No. 32,384

BANNER & WITCOFF, LTD.  
1001 G Street, N.W., 11<sup>th</sup> Floor  
Washington, D.C. 20001-4597  
(202) 824-3000

Date: July 15, 2005

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Substitute for form 1449A/PTO

*Complete if Known*

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of

2

Application Number	10/003,184
Filing Date	10/30/2001
First Named Inventor	Frederic Reblewski
Art Unit	2123
Examiner Name	Kandasamy Thangavelu

Attorney Docket Number 003921.00070

JUL 15 2005

<b>U.S. PATENT DOCUMENTS</b>				
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		US- 5,265,894	07-2001	Reblewski et al.
		US- 5,596,742	01-1997	Agarwal et al.
		US- 5,663,900	09-1997	Bhandari et al.
		US- 5,680,583	10-21-1997	Kuijsten
		US- 5,821,773	10-13-1998	Norman et al.
		US- 5,940,603	08-1999	Huang, Thomas B.
		US- 5,999,725	12-1999	Barbier et al.
		US- 6,184,707	02-06-2001	Norman et al.
		US- 6,377,912	04-2002	Sample et al.
		US- 2002/0055828	05-2002	Swoboda et al.
		US- 2002/0116168	08-2002	Kim, Mahn Bok
		US- 6,473,726	10-2002	Reblewski
		US- 6,496,913	12-2002	DeHon et al.
		US- 6,625,793	09-2003	Sample et al.
		US- 2002003/0182641	09-2003	Yang, Sei-Yang
		US- 2003/0179712	09-2003	Kobayashi et al.
		US- 2004-0034841-A1	02-19-2004	Reblewski

## FOREIGN PATENT DOCUMENTS

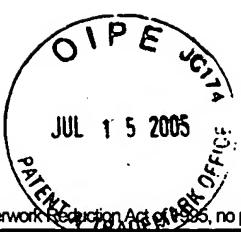
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
		EP 0,651,343 A1	05-03-1995	Quickturn Systems Inc.		

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/08b(08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449B/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

2

of

2

Attorney Docket Number

003921.00070

### Complete if Known

Application Number	10/003,184
Filing Date	10/30/2001
First Named Inventor	Frederic Reblewski
Art Unit	2123
Examiner Name	Kandasamy Thangavelu

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Erhard et al., W. First Steps-Towards a Reconfigurable Asynchronous System, IEEE International Workshop on Rapid System Prototyping, 1999, pgs. 28-31	
		Kocan et al., F. Concurrent D-Algorithm on Reconfigurable Hardware, IEEE/ACM International Conference on Computer-Aided Design, 1999, Digest of Technical Papers, pgs. 152-155	
		Clos, Charles, "A study of Non-Blocking Switching Networks," The Bell System Technical Journal, March 1953, pgs. 406-424	
		Bosi et al., B. Reconfigurable Pipelined 2-D Convolvers for Fast Digital Signal Processing, IEEE Transactions on Very Large Scale Integration (VLSI) Systems, vol. 7, Issue 3, Sept. 1999, pgs. 299-308	
		Ejnioui et al., A. Design Partitioning on Single-Chip Emulation Systems, 13 <sup>th</sup> International Conference on VLSI Design, 2000, pgs. 234-239	
		Jean, J.S.N., et al., "Dynamic Reconfiguration to Support Concurrent Applications," IEEE Transactions on Computers, June 1999, IEEE, USA, vol. 48, No. 6, pgs. 591-602	
		Snider, G., "The Teramac Compiler," Nov. 29, 1993, pgs. 1-51	
		Babb, J, et al., "Logic Emulation with Virtual Wires," IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, June 1997, pgs. 1-20	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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JUL 15 2005

**Effective on 12/08/2004.**  
**Fees Pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).**

# FEE TRANSMITTAL for FY 2005

TRADEMARK OFFICE  
ENT & TRADEMARKS

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** (\$ 180.00)

<i>Complete if Known</i>	
Application Number	10/003,184
Filing Date	October 30, 2001
First Named Inventor	Frederic Reblewski
Examiner Name	Kandasamy Thangavelu
Art Unit	2123
Attorney Docket No.	003921.00070

## METHOD OF PAYMENT (check all that apply)

Check  Credit Card  Money Order  None  Other (please identify) : \_\_\_\_\_

Deposit Account Deposit Account Number: 19-0733 Deposit Account Name: Banner & Witcoff, LTD.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below  Charge fee(s) indicated below, except for the filing fee  
 Charge any additional fee(s) or underpayments of fee(s)  Credit any overpayments

Under 37 CFR 1.16 and 1.17

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

## FEE CALCULATION

### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

<b>Application Type</b>	<b>FILING FEES</b>		<b>SEARCH FEES</b>		<b>EXAMINATION FEES</b>		
	<b>Fee (\$)</b>	<b>Small Entity</b>	<b>Fee (\$)</b>	<b>Small Entity</b>	<b>Fee (\$)</b>	<b>Small Entity</b>	<b>Fees Paid (\$)</b>
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____

### 2. EXCESS CLAIM FEES

#### Fee Description

Each claim over 20 (including Reissues)

Each independent claim over 30 (including Reissues)

Multiple dependent claims

<b>Total Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>	<b>Small Entity</b>	
				<b>Fee (\$)</b>	<b>Fee (\$)</b>
-20 or HP=	_____	x	=	50	25

HP = highest number of total claims paid for, if greater than 20.

<b>Indep. Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>	<b>Multiple Dependent Claims</b>	
				<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
- 3 or HP=	_____	x	=	_____	_____

HP = highest number of independent claims paid for, if greater than 3.

### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer

listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<b>Total Sheets</b>	<b>Extra Sheets</b>	<b>Number of each additional 50 or fraction thereof</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
- 100 =	/ 50 =	(round up to a whole number) x	=	

### 4. OTHER FEE(S)

Non-English Specification \$130 fee (no small entity discount)

Other (e.g., late filing surcharge) : Information Disclosure Statement

\$180

#### SUBMITTED BY

Signature	Christopher L. McKee	Registration No. (Attorney/Agent)	32,384.	Telephone	(202) 824-3000
Name (Print/Type)				Date	

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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